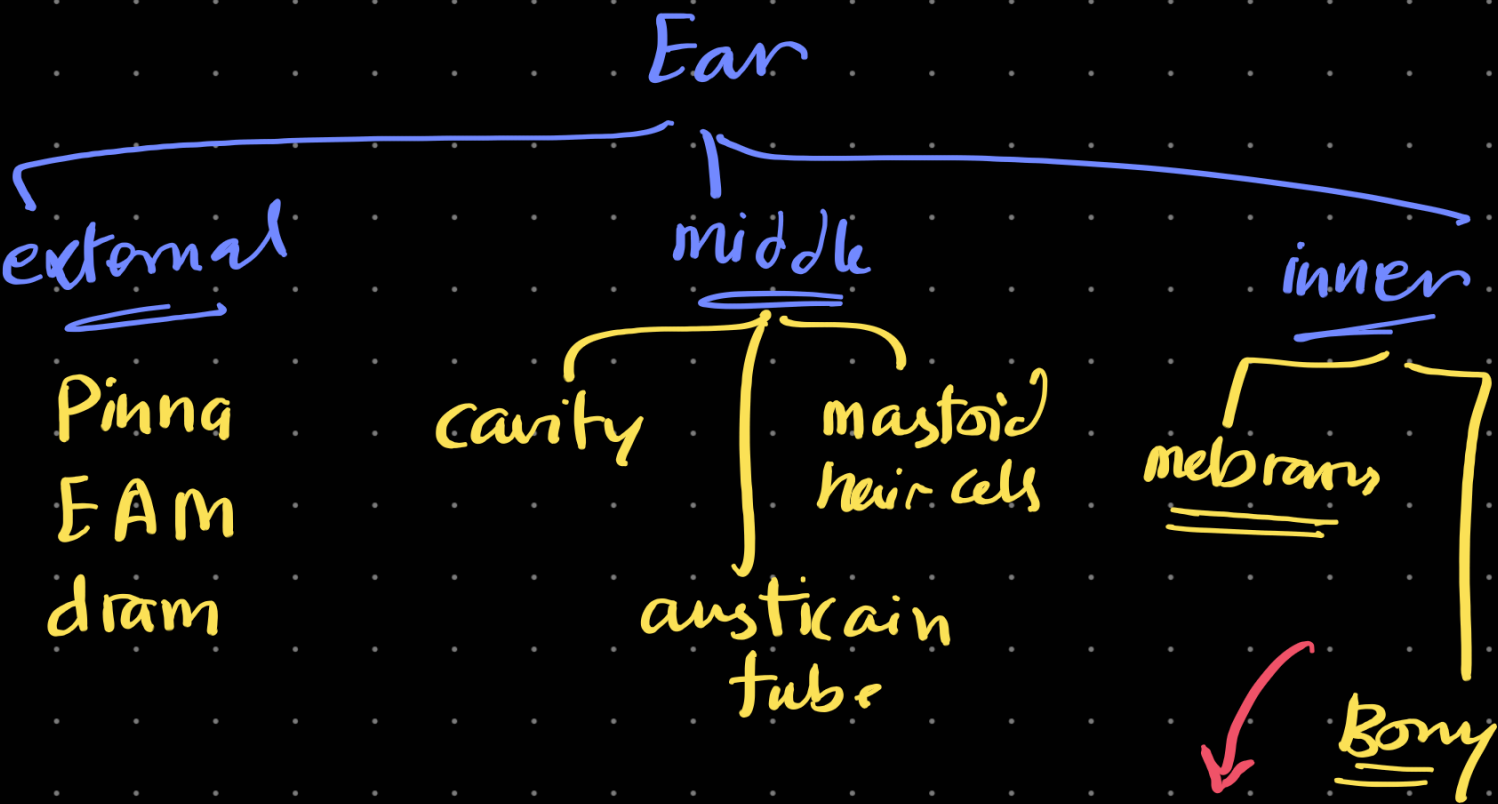


hearing, equilibrium

أذن

ear

cerebellum
eye
ear



Euricle:
cartilage

EAM
cartilaginous Bony

drum

Fluids

- endolymph
- Perilymph

if perforation
↓
Sensory neural
hearing loss



5 layers!

at surgery or chronic otitis media → fistulae → leakage of endolymph → severe dizziness and vertigo.
must be closed!

congenital absent of auricle
→ conduction hearing loss.

* EAC atresia

* EAC foreign body or wax or neoplasm
↓
osteoma

from the bony part → failure of wax drainage

Type of Tympanic membrane

Central, atic, subtotal, total, traumatic

chronic external

unsafe

AM

safe

40-60%

conductive
hearing loss.

* Temporo sclerosis
conf recurrent otitis media.

middle ear

* auditory tube dysfunction "obstruction"

fluid accumulation
due to $\uparrow$ VP
"secretory OM"

collapse
due to -ve
pressure
suction
"adhesive OM"

chronic OM

suppurative

non suppurative

safe

unsafe

secretory

adhesive

$\downarrow$
watery
odorless

$\downarrow$
pus
offensive
discharge

discharge
↓
clear
proliferation

discharge
↓
Perforation
with
otistatome

hearing
loss

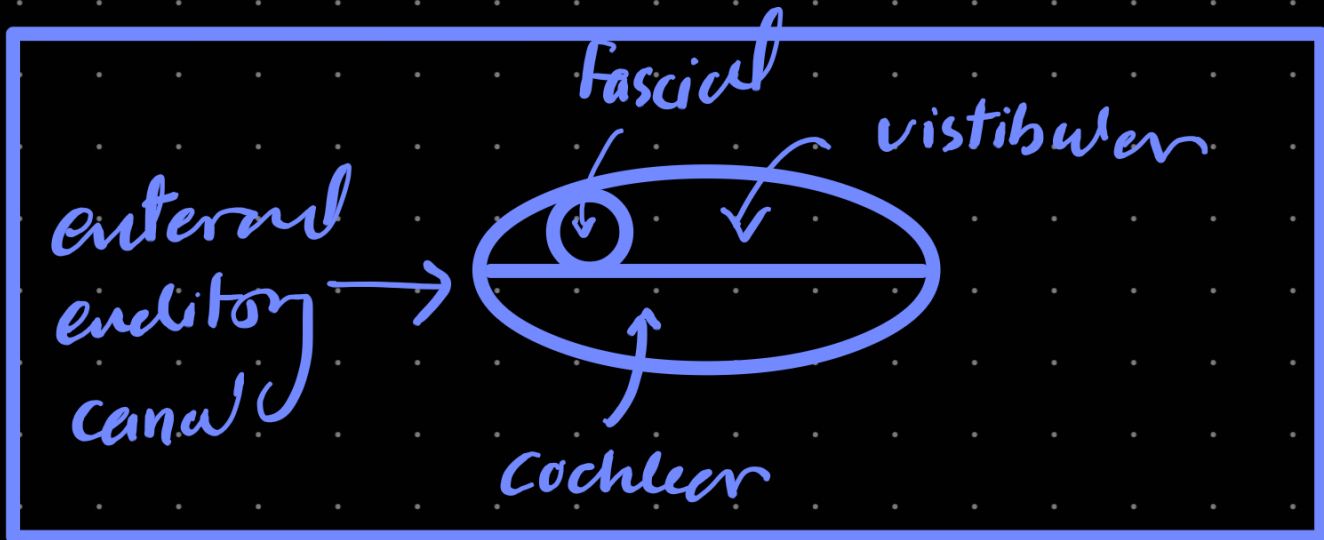
conductive

sensory

→ aging

→ noise

→



main symptoms of ear ⑥

deafness

discharge

Tinnitus

dizziness

Pain

itching

→ referred from
teeth specially!

-
- MRI "soft tissue"
 - cribels pontain angle
for acoustic neuroma

Unilateral → tinnitus
↳ hearing loss

- CT "Bone"

↳ nasal sinuses

↳ neck tumor "with contrast"

↳ colestioma

مرحبا ارجعي

